Nigeria

Epidemiological Fact Sheet

on HIV/AIDS and sexually transmitted infections



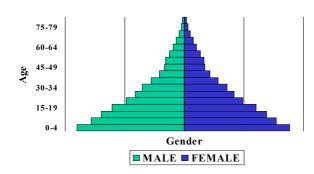
2000 Update





Country Information

Population pyramid, 1999



Indicators	Year	Estimate	Source
Total Population (thousands)	1999	108,945	UNPOP
Population Aged 15-49 (thousands)	1999	50,555	UNPOP
Annual Population Growth	1990-1998	2.5	UNPOP
% of Population Urbanized	1998	41	UNPOP
Average Annual Growth Rate of Urban Population	1990-1998	4.4	UNPOP
GNP Per Capita (US\$)	1997	280	World Bank
GNP Per Capita Average Annual Growth Rate	1996-1997	2.1	World Bank
Human Development Index Rank (HDI)	1999	146	UNDP
% Population Economic Active			
Unemployment Rate			
Total Adult Literacy Rate	1995	57	UNESCO
Adult Male Literacy Rate	1995	67	UNESCO
Adult Female Literacy Rate	1995	47	UNESCO
Male Secondary School Enrollment Ratio	1997	37.0	UNESCO
Female Secondary School Enrollment Ratio	1997	31.1	UNESCO
Crude Birth Rate (births per 1,000 pop.)	1999	38	UNPOP
Crude Death Rate (deaths per 1,000 pop.)	1999	15	UNPOP
Maternal Mortality Rate (per 100,000 live births)	1990	1,000	WHO
Life Expectancy at Birth	1998	50	UNPOP
Total Fertility Rate	1998	5.1	UNPOP
Infant Mortality Rate (per 1,000 live births)	1999	80	UNICEF/UNPOP

UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance

Global Surveillance of HIV/AIDS and sexually transmitted infections (STIs) is a joint effort of WHO and UNAIDS. The UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance, initiated in November 1996, guides respective activities. The primary objective of the working group is to strengthen national, regional and global structures and networks for improved monitoring and surveillance of HIV/AIDS and STIs. For this purpose, the working group collaborates closely with national AIDS programmes and a number of national and international experts and institutions. The goal of this collaboration is to compile the best information available and to improve the quality of data needed for informed decisionmaking and planning at national, regional and global levels. The Epidemiological Fact Sheets are one of the products of this close and fruitful collaboration across the globe.

The working group and its partners have established a framework standardizing the collection of data deemed important for a thorough understanding of the current status and trends of the epidemic, as well as patterns of risk and vulnerability in the population. Within this framework, the Fact Sheets collate the most recent country-specific data on HIV/AIDS prevalence and incidence, together with information on behaviours (e.g. casual sex and condom use) which can spur or stem the transmission of HIV.

Not unexpectedly, information on all of the agreed-upon indicators was not available for many countries in 1999. However, these updated Fact Sheets do contain a wealth of information which allows identification of strengths in currently existing programmes and comparisons between countries and regions. The Fact Sheets may also be instrumental in identifying potential partners when planning and implementing improved surveillance systems.

The fact sheets can be only as good as information made available to the UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance. Therefore, the working group would like to encourage all programme managers as well as national and international experts to communicate additional information to the working group whenever such information becomes available. The working group also welcomes any suggestions for additional indicators or information proven to be useful in national or international decision-making and planning.

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Estimated number of people living with HIV/AIDS

In 1999 and during the first quarter of 2000, UNAIDS and WHO worked closely with national governments and research institutions to recalculate current estimates on people living with HIV/AIDS. These calculations are based on the previously published estimates for 1997 and recent trends in HIV/AIDS surveillance in various populations. A methodology developed in collaboration with an international group of experts was used to calculate the new estimates on prevalence and incidence of HIV and AIDS deaths, as well as the number of children infected through mother-to-child transmission of HIV. Different approaches were used to estimate HIV prevalence in countries with low-level, concentrated or generalized epidemics. The current estimates do not claim to be an exact count of infections. Rather, they use a methodology that has thus far proved accurate in producing estimates that give a good indication of the magnitude of the epidemic in individual countries. However, these estimates are constantly being revised as countries improve their surveillance systems and collect more information.

Adults in this report are defined as women and men aged 15 to 49. This age range covers people in their most sexually active years. While the risk of HIV infection obviously continues beyond the age of 50, the vast majority of those who engage in substantial risk behaviours are likely to be infected by this age. The 15 to 49 age range was used as the denominator in calculating adult HIV prevalence.

□ Estimated number of adults and children living with HIV/AIDS, end of 1999

These estimates include all people with HIV infection, whether or not they have developed symptoms of AIDS, alive at the end of 1999

Adults and children 2700000
Adults (15-49) 2600000 Adult rate (%) 5.06
Women (15-49) 1400000
Children (0-15) 120000

□ Estimated number of deaths due to AIDS

Estimated number of adults and children who died of AIDS since the beginning of the epidemic

Cumulative deaths 1700000

Estimated number of adults and children who died of AIDS during 1999:

Deaths in 1999 250000

Estimated number of orphans

Estimated number of children who have lost their mother or both parents to AIDS (while they were under the age of 15) since the beginning of the epidemic:

Cumulative orphans 1400000

Estimated number of children who have lost their mother or both parents to AIDS and who were alive and under age 15 at the end of 1999:

Current living orphans 971472

Assessment of epidemiological situation – Nigeria

HIV seroprevalence information among antenatal clinic attendees has been available since the mid-1980s from Nigeria. However, reporting from more than one or two sites per year did not begin until 1991-92. By 1993-94 10 major urban sites were reporting HIV prevalence among antenatal clinic women. HIV prevalence remained low for many years in Nigeria. But, by 1988-90, 1 percent of antenatal women in the major urban areas tested positive for HIV. By 1993-94, a median of nearly 4 percent of antenatal women in major urban areas tested positive and in 1999, nearly 5 percent tested positive. Among the 10 major urban sites in 1999, HIV prevalence ranged from 3 percent to 8 percent of antenatal women tested.

By 1991-92, 20 sites from 10 states outside of the major urban areas were reporting HIV prevalence from sentinel surveillance of antenatal women. The number of sites increased to 63 sites in 1999. Median HIV prevalence among antenatal women tested at these sites increased from less than 1 percent in 1991-92 to 5 percent in 1999. The range of HIV prevalence rates in 1999 went from less than 1 percent to 21 percent of antenatal women tested. HIV prevalence among antenatal women by age is available for the 6 regions. In 1999, peak infection occurred among those women less than 25 where 6 percent of women tested were HIV positive. There is some limited information available on HIV prevalence among sex workers starting in the mid-1980s. Testing of sex workers in Lagos began in 1988-89. Two percent of sex workers tested at that time were HIV positive and increased to 12 percent in 1990-91. By 1993-94, 30 percent of sex workers tested were HIV positive.

In 1986, less than 1 percent of sex workers tested in Borno State were HIV positive, by 1989-90, 4 percent of sex workers tested HIV positive. In 1991-92, 7 sites outside of the major urban centers were reporting information on HIV prevalence among sex workers. At that time, a median of 13 percent of sex workers tested were HIV positive, the prevalence among these sites ranged from no evidence of HIV infection to 44 percent of sex workers tested. By 1995-96, 15 sites were reporting a range of prevalence among sex workers of 7 percent to nearly 70 percent of sex workers tested.

By 1994, 5 percent of STD clinic patients tested in the major urban areas were HIV positive. HIV prevalence from 21 sites outside of the major urban areas, increased from 7 percent of STD clinic patients tested in 1993-94 to 12 percent in 1995-96. In 1993-94, 4 percent of long distance truck drivers tested in Anambra State were HIV-1 infected.

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HIV sentinel surveillance

This section contains information about HIV prevalence in different populations. The data reported in the tables below are mainly based on the HIV data base maintained by the United States Bureau of the Census where data from different sources, including national reports, scientific publications and international conferences is compiled. To provide for a simple overview of the current situation and trends over time, summary data are given by population group, geographical area (Major Urban Areas versus Outside Major Urban Areas), and year of survey. Studies conducted in the same year are aggregated and the median prevalence rates (in percentages) are given for each of the categories. The maximum and minimum prevalence rates observed, as well as the total number of surveys/sentinel sites, are provided with the median, to give an overview of the diversity of HIV-prevalence results in a given population within the country. Data by sentinel site or specific study on which the medians were calculated are printed at the end of this fact sheet.

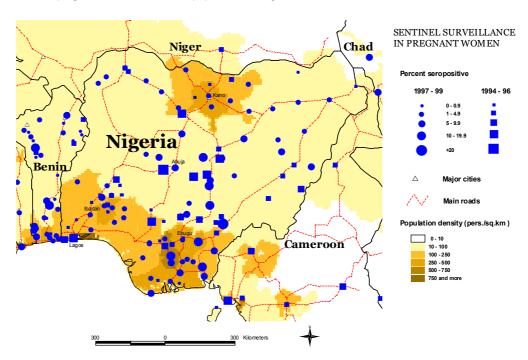
The differentiation between the two geographical areas Major Urban Areas and Outside Major Urban Areas is not based on strict criteria, such as the number of inhabitants. For most countries, Major Urban Areas were considered to be the capital city and – where applicable – other metropolitan areas with similar socio-economic patterns. The term Outside Major Urban Areas considers that most sentinel sites are not located in strictly rural areas, even if they are located in somewhat rural districts.

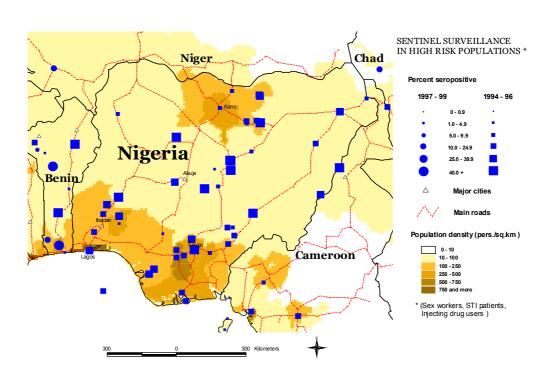
HIV prevalence in selected populations in percent (for blood donors: 1/100 000)

Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998 1
Pregnant women	Major Urban Areas	N-sites			1			1		2	8		10		5		
		Minimum			0			1		8.0	0		0.2		0		
		Median			0			1		3.15	0.7		4		0.2		
		Maximum			0			1		5.5	3.4		10.1		1.6		
Pregnant women	Outside Major Urban Areas	N-sites				1	1	1	1		20		33		53		
		Minimum				0	1.7	0	0.2		0		0		0		
		Median				0	1.7	0	0.2		0.45		2.9		2.33		
		Maximum				0	1.7	0	0.2		5.8		13.2		76.7		
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Sex workers	Major Urban Areas	N-sites						1		1			1	3	1		
oox workers	major orban / trode	Minimum						1.7		12.3			29.1	22.6	30.5		
		Median						1.7		12.3			29.1	33.3	30.5		
		Maximum						1.7		12.3			29.1	81.7	30.5		
C	Outside Maior Unberg Asses					1	1	1.7	1	12.5	7		10	01.7	15		
Sex workers	Outside Major Urban Areas	N-sites					0.5		3.9		0.9		5.5		6.8		
		Minimum				0.5											
		Median				0.5	0.5		3.9		13.4		23.7		28		
		Maximum				0.5	0.5		3.9		44.1		46.5		67.7		
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Injecting drug users	Major Urban Areas	N-sites															
		Minimum															
		Median															
		Maximum															
Injecting drug users	Outside Major Urban Areas	N-sites															
		Minimum															
		Median															
		Maximum															
Group	Area		1984	1985	4000					4004	1992	4000					
STI patients			1304	1900	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
	Major Urban Areas	N-sites	1904	1900	1986	1987	1988	1989	1990	1991	3	1993	1994 5	1995	1996 1	1997	1998 ′
	Major Urban Areas	N-sites Minimum	1904	1965	1986	1987	1988	1989	1990	1991		1993		1995		1997	1998
	Major Urban Areas		1904	1965	1986	1987	1988	1989	1990	1991	3	1993	5	1995	1	1997	1998 -
	Major Urban Areas	Minimum Median	1904	1965	1986	1987	1988	1989	1990	1991	3	1993	5 2.3	1995	1	1997	1998 -
STI patients	·	Minimum Median Maximum	1904	1963	1986	1987	1988	1989	1990	1991	3 0 0.7 14.9	1993	5 2.3 5 8.9	1995	1 3 3 3	1997	1998 1
STI patients	Major Urban Areas Outside Major Urban Areas	Minimum Median Maximum N-sites	1904	1905	1986	1987	1988	1989	1	1991	3 0 0.7 14.9	1993	5 2.3 5 8.9 21	1995	1 3 3 3 21	1997	1998 -
STI patients	·	Minimum Median Maximum N-sites Minimum	1904	1905	1986	1987	1988	1989	1 1.7	1991	3 0 0.7 14.9 12	1993	5 2.3 5 8.9 21 1.4	1995	1 3 3 3 21 1.1	1997	1998 -
STI patients	·	Minimum Median Maximum N-sites Minimum Median	1904	1905	1986	1987	1988	1989	1 1.7 1.7	1991	3 0 0.7 14.9 12 0 1.15	1993	5 2.3 5 8.9 21 1.4 7	1995	1 3 3 3 21 1.1 11.9	1997	1998
	Outside Major Urban Areas	Minimum Median Maximum N-sites Minimum							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group	Outside Major Urban Areas Area	Minimum Median Maximum N-sites Minimum Median Maximum	1984	1985	1986	1987	1988	1989	1 1.7 1.7	1991	3 0 0.7 14.9 12 0 1.15	1993	5 2.3 5 8.9 21 1.4 7	1995	1 3 3 3 21 1.1 11.9	1997	1998
Group	Outside Major Urban Areas	Minimum Median Maximum N-sites Minimum Median Maximum							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group	Outside Major Urban Areas Area	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group	Outside Major Urban Areas Area	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group Blood Donors	Outside Major Urban Areas Area National	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Maximum Maximum Maximum							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group Blood Donors	Outside Major Urban Areas Area	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group Blood Donors	Outside Major Urban Areas Area National	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Maximum Maximum Maximum							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group Blood Donors	Outside Major Urban Areas Area National	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group Blood Donors	Outside Major Urban Areas Area National	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum N-sites							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group Blood Donors	Outside Major Urban Areas Area National	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median							1 1.7 1.7 1.7		3 0 0.7 14.9 12 0 1.15 22.4		5 2.3 5 8.9 21 1.4 7 31.3		1 3 3 3 21 1.1 11.9 69.7		
Group Blood Donors Blood Donors	Outside Major Urban Areas Area National Major Urban Areas	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median	1984	1985	1986	1987	1988	1989	1 1.7 1.7 1.7 1990	1991	3 0 0.7 14.9 12 0 1.15 22.4	1993	5 2.3 5 8.9 21 1.4 7 31.3 1994	1995	1 3 3 3 21 1.1 11.9 69.7	1997	1998 -
Group Blood Donors Blood Donors Group	Outside Major Urban Areas Area National Major Urban Areas	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum	1984	1985	1986	1987	1988	1989	1 1.7 1.7 1.7 1990	1991	3 0 0.7 14.9 12 0 1.15 22.4	1993	5 2.3 5 8.9 21 1.4 7 31.3 1994	1995	1 3 3 3 21 1.1 11.9 69.7	1997	1998 -
Group Blood Donors Blood Donors Group Men having sex with	Outside Major Urban Areas Area National Major Urban Areas	Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum N-sites Minimum Median Maximum Median Maximum Median Maximum	1984	1985	1986	1987	1988	1989	1 1.7 1.7 1.7 1990	1991	3 0 0.7 14.9 12 0 1.15 22.4	1993	5 2.3 5 8.9 21 1.4 7 31.3 1994	1995	1 3 3 3 21 1.1 11.9 69.7	1997	1998 -

Maps of HIV sentinel sites

Mapping the geographical distribution of HIV sentinel sites for different population groups may assist interpreting both the national coverage of the HIV surveillance system and explaining differences in levels and trends of prevalence. The UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance, in collaboration with the UNICEF/WHO HealthMap Programme, has produced maps showing the location and HIV prevalence of HIV sentinel sites in relation to population density, major urban areas and communication routes. Maps illustrate separately the most recent results from HIV sentinel surveillance in pregnant women and in sub-populations at higher risk of HIV infection.





The boundaries and names shown and the designations used on these maps do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

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Reported AIDS cases

AIDS cases by year of reporting

1070 1000	1001	4000	4000	1001 100				4000				4000	4000	4004	4005	4000	4007	1000	4000	-	
1979 1980 0 0	1981 0	1982 0	1983	1984 198 0 0	_	6 1987 2	1988	1989 52	1990	_	991 29	1992 412	1993 719	1994 908	1995 2829	1996 838	1997 745	1998 18490	1999 984	Total 26276	Unkn
			U	0 0			J	52	100		23	712	713	300	2023	000	143	10430	304	20270	
Date of last rep	ort: 13/Se	p/99										A : .l				م امد					
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most countries.												Sex	Age	<96	1996	1997	1998	1999	Unkn.	Total	%
sent to WHO. H												All	All	5219	838	745	18490			25292	100.0
Reporting rates													0-4								
common in de	-		-	-		-			-				5-9								
epidemiological													10-14								
main disadvant													15-19								
transmission pa	•			•									20-24								
limiting its usefu						-		•		•			25-29 30-34								
_			_										35-39								
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is useful in esti	•												45-49								
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demographic a		•											55-59								
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													5-9								
AIDS cases	hy mo	do of	f tran	emicei	ion								10-14								
AIDS Cases	by illo	ue oi	lian	3111133	IOII								15-19								
													20-24								
	Hetero:												25-29								
				contacts be									30-34								
				. This tran									35-39								
	to inject			h-risk beh	laviours	were re	ported	, iri add	шоп				40-44								
				products.									45-49								
	Perinata	al: Vertic	al transr	mission du	iring pre	gnancy	, birth o	or breas	stfeedir	ıg.			50-54								
	NS: Not	specifie	d/unkno	own.									55-59								
	_	_						_					60+								
Sex	Trans.	Group	<96	1996 199	7 199	8 1999	Unkı	1 Tota	I %	_	-		NS								
All	Total											Female	All								
	Hetero												0-4								
	Homo/B	1											5-9								
	IDU												10-14 15-19								
	Blood Perinata	si.											20-24								
	Other K												25-29								
	Unknow												30-34								
Male	Total									-			35-39								
	Hetero												40-44								
	Homo/B	i											45-49								
	IDU												50-54								
	Blood												55-59								
	Perinata	al											60+								
	Other K												NS								
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Female	Total									_			0-4								
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	Blood												15-19								
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	Other K												25-29								
	Unknow	'n								_			30-34								
NS	Total												35-39								
	Hetero												40-44								
	IDU												45-49								
	Blood												50-54								
	Perinata												55-59								
	Other K	ทดพท											60+								

60+

NS

Other Known

Curable Sexually Transmitted Infections (STIs)

The predominant mode of transmission of both HIV and other STIs is sexual intercourse. Measures for preventing sexual transmission of HIV and STI are the same, as are the target audiences for interventions. In addition, strong evidence supports several biological mechanisms through which STI facilitate HIV transmission by increasing both HIV infectiousness and HIV susceptibility. Significant also is the observation of a sharp decline in the concentration of HIV in the genital secretions when the infection is treated. Monitoring trends in STI can provide valuable information on the sexual transmission of HIV as well as the impact of behavioural interventions, such as promotion of condom use.

Clinical services offering STI care are an important access point for people at high risk for both AIDS and STI, not only for diagnosis and treatment but also for information and education. Therefore, control and prevention of STI have been recognized as a major strategy in the prevention of HIV

□ Estimated in	ncidence and p							
		Inc	idence			Pre	valence	
STI's	Year	Male	Female	All	Year	Male	Female	A
Chlamydia trach.								
Gonorrhoea								
Syphilis								
Trichomonas								
Comments:								
Source:								
Prevention Indicat		of men age	d 15-49 years v	vho reported e		rethritis in t	he last 12 mo	nths.
•		Aicu				- Tuto		
Prevention Indicat screened with pos	tor 8: Proportion		women aged 1	5-24 years att	ending anter	natal clinics	s whose blood	has be
Prevention Indicat screened with pos	tor 8: Proportion		women aged 1	5-24 years att Age	·	natal clinics Rate	s whose blood N=	has b
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Prevention Indicat screened with pos	tor 8: Proportion	or syphilis.	women aged 1	·	·			has be
Prevention Indicat screened with pos	tor 8: Proportion	or syphilis.	women aged 1	·	·			has be
Prevention Indicat screened with pos You Comments: Sources:	tor 8: Proportion	Area	women aged 1	·	·			has be
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Prevention Indicates screened with post Your Comments: Sources: STI Case mate Prevention Indicate condoms and on post Street St	tor 8: Proportion sitive serology for ear ear eanagement (co	Area unselled) of people pi		Age STI or for STI o	care in health	Rate	N=	
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Prevention Indicat screened with pose Your Comments: Sources: STI Case man Prevention Indicat condoms and on page Your Comments: Sources:	ear anagement (co tor 7: Proportion partner notificati ear anagement (tre tor 6: Proportion	unselled) or of people prion. Area eatments) or of people prion.	resenting with S	Age STI or for STI o	care in health	Rate facilities v	N= /ho received b	easic a

8 - Nigeria

Health service indicators

HIV prevention strategies depend on the twin efforts of care and support for those living with HIV or AIDS, and targeted prevention for all people at risk or vulnerable to the infection. These efforts may range from reaching out to vulnerable communities through large-scale educational campaigns or interpersonal communication; provision of treatment for STIs; distribution of condoms and needles; creating and enabling environment to reduce risky behaviour; providing access to voluntary testing and counselling; home or institutional care for persons with symptomatic HIV infection; and preventing perinatal transmission and transmission through infected needles or blood in health care settings. It is difficult to capture such a large range of activities with one or just a few indicators. However, a set of well-established health care indicators – such as the percentage of a population with access to health care services; the percentage of women covered by antenatal care; or the percentage of immunized children – may help to identify general strengths and weaknesses of health systems. Specific indicators, such as access to testing and blood screening for HIV, help to measure the capacity of health services to respond to HIV/AIDS – related issues.

□ Access to health care

Indicators	Year	Estimate	Source
% of population with access to health services – total:			
% of population with access to health services – urban:			
% of population with access to health services – rural:			
Contraceptive prevalence rate (%):	1990-1999	6	UNICEF/UNPOP
% of births attended by trained health personnel:	1990-1999	31	UNICEF
% of 1-yr-old children fully immunized – DPT:	1995-1998	21	UNICEF
6 of 1-yr-old children fully immunized – Polio:	1995-1998	22	UNICEF
% of 1-yr-old children fully immunized – Measles:	1995-1998	26	UNICEF
Proportion of blood donations tested:			
% of ANC clinics where HIV testing is available:			
HIV/AIDS Hospital Occupancy Rate (Days):			

Male and female condoms are the only technology available that can prevent sexual transmission of HIV and other STIs. Persons exposing themselves to the risk of sexual transmission of HIV should have consistent access to high quality condoms. AIDS Programmes implement activities to increase both availability of and access to condoms. The two condom availability indicators below are intended to highlight areas of strength and weakness at the beginning and end of the distribution system so that programmatic resources can be directed appropriately to problem areas.

Condom availability (central level) Prevention Indicator 2: Availability of condoms in the country over the last 12 months (central level). Year Area N Rate Comments: Sources: Condom availability (peripheral level) Prevention Indicator 3: Proportion of people who can acquire a condom (peripheral level). Year Area N Rate

Sources:

Knowledge and behaviour

In most countries the HIV epidemic is driven by behaviours (e.g.: multiple sexual partners, intravenous drug use) that expose individuals to the risk of infection. Information on knowledge and on the level and intensity of risk behaviour related to HIV/AIDS is essential in identifying populations most at risk for HIV infection and in better understanding the dynamics of the epidemic. It is also critical information in assessing changes over time as a result of prevention efforts. One of the main goals of the 2nd generation HIV surveillance systems is the promotion of regular behavioural surveys in order to monitor trends in behaviours and target interventions.

Knowledge of HIV- related preventive practices

Prevention Indicator 1: Proportion of people citing at least two acceptable ways of protection from HIV infection.

Year Area Age Group Male Female All

Comments:

Sources:

Reported non-regular sexual partnerships

Prevention Indicator 4: Proportion of sexually active people having at least one sex partner other than a regular partner in the last 12 months.

Year	Area	Age Group	Male	Female	All	
1990	South Western	15+			18.0	

Comments:

Sources: KABP/Behavioural Studies – GPA, 1992

□ Reported condom use in risk sex (gen pop)

Prevention Indicator 5: Proportion of people reporting the use of a condom during the most recent intercourse of risk.

Year	Area	Age Group	Male	Female	All	
 1994	All	15-49			7.5	

Comments

Sources: Evaluation of the impact of AIDS/STD Control Programme interventions in Nigeria

Knowledge and behaviour

☐ Ever use of condom

Percentage of people who ever used a condom.

Year	Area	Age Group	Male	Female	All	
1990	All	15-19		1.6		
1990	All	20-24		4.6		
1990	All	25-29		3.8		
1990	All	30-34		1.9		
1990	All	35-39		1.6		
1990	All	40-44		1.0		
1990	All	45-49		1.0		
1990	All	Total		2.5		

Comments:

Sources:

Demographic and Health Survey

☐ Median age at first sexual experience

Median age of people at which they first had sexual intercourse.

	Year	Area	Age Group	Male	Female	All
	1990	All	20-24		16.6	
	1990	All	45-49		16.5	
Comments:						

Sources:

☐ Adolescent pregnancy

DHS/1990

Percentage of teenagers 15-19 who are mothers or pregnant with their first child

Year	Area	Age Group	N	Rate	
1990	All	15	373	13.1	
1990	All	16	322	20.8	
1990	All	17	326	30.2	
1990	All	18	333	39.3	
1990	All	19	259	42.8	

Comments:

Sources: DHS/1990

Sources

Data presented in this Epidemiological Fact Sheet come from several different sources, including global, regional and country reports, published documents and articles, posters and presentations at international conferences, and estimates produced by UNAIDS, WHO and other United Nations Agencies. This section contains a list of the more relevant sources used for the preparation of the Fact Sheet. Where available, it also lists selected national Web sites where additional information on HIV/AIDS and STI are presented and regularly updated. However, UNAIDS and WHO do not warrant that the information in these sites is complete and correct and shall not be liable whatsoever for any damages incurred as a result of their use.

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12 - Nigeria

Annex: HIV Surveillance data by site

Group	Area		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Pregnant women	Outside Major Urban Areas	Jigawa (Dutse)												4.4			2
	Aleds	Jigawa (Gumel)								5.8				1.4			1.3
		Jigawa (Hadejia) Kaduna (Giwa)								5.6				15.2			1.3
		Kaduna (Kaduna)								0.4		4.3		45.8			8.1
		Kaduna (Kafanchan)								2.3		5		76.7			15.1
		Kaduna (Saminaka)								0				27.6			
		Kano (Danbata)										0					
		Kano (Gwarzu)								2.5		0					
		Kano (Rano)								1.2		1					5
		Katsina (Funtua)															1.7
		Katsina (Katsina)															3
		Kebbi (Argungu)															3.3
		Kebbi (Birnin Kebbi)															4
		Kogi (Ankpa)												7.9			6.7
		Kogi (Idah)												0			2.7
		Kogi (Lokoja) Kogi (Okene)												1.4			3.7
		Kwara (Offa)										2.5		2.8			3.3
		Kwara (Omu-Aran)										1		0			3.3
		Maiduguri			0.0	1.7	0.0	0.2						-			
		Nasarawa (Lafia)				-											13.7
		Nasarawa (N/Eggon)															7.5
		Niger (Minna)															9
		Niger (Wushishi)															4.3
		Ogun (Abeokuta)												0			1
		Ogun (ljebu-Ode)												0.2			4
		Ogun (llaro)												0			
		Ogun (Sagamu)												0			
		Ondo (Akure)															2.7
		Ondo (Ondo)															3
		Osun (Ife)								0		0.3		0			
		Plateau (Akwanga) Plateau (Barikin-										6.3		11.7 14.4			-
		Ladi)												14.4			
		Plateau (Barkin)										13.2					
		Plateau (Jos)										5		4.5			7.8
		Plateau (Keffi)												12			
		Plateau (Shendam)															4.7
		Rivers (Bori)												0			1
		Rivers (Isiokpo)												0			
		Rivers (Nchia)												1.6			
		Rivers (Pt. Harcourt)										4.0		1.5			4.7
		Sokoto (Ilella) Sokoto (Sokoto)										1.8					2.7
		Taraba (Bali)										1.5		2.1			2.1
		Taraba (Jalingo)												1.3			4
		Taraba (Wukari)												8.9			H
		Taraba (Zing)												9.9			7
		Yobe (Damaturu)															2.6
		Yobe (Geidam)															0.5
		Zamfara (Gusau)															1.7
		Zamfara (Talata-															3.7
6	A	Marafa)	400	4000	400=	4000	4000	4000	400+	4000	4000	400-1	4000	4000	400=	4000	4000
Group	Area	Kwara (Ilaria)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Sex workers	Major Urban Areas	Kwara (llorin) Lagos					1.7						81.7				-
		Lagos state					1.7		12.3			29.1		30.5			-
		Osun (Oshogbo)		 	 		 	 			1		33.3				<u> </u>
		Oyo (Ibadan)											22.6				
Sex workers	Outside Major Urban	Adamawa										20.9					
	Areas	Anambra										5.5					
		Anambra (Akwa)												17			
		Anambra (Onitsha)												24			
		Benue								34.6		46.5					
		Borno										25.7					
		Borno (Biu)												12.2			
		Borno (Maiduguri)												32.6			
		Borno (Ngala)												6.8			
		Borno state			0.5	0.5		3.9									

12 continued - Nigeria

Annex: HIV Surveillance data by site

Group	Area		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Sex workers	Outside Major Urban	Delta								0.9		21.9					
	Areas	Delta (Warri)												28			
		Edo								1.6							
		Enugu								18.1		40.3					
		Jigawa								44.1		10.0					
		Jigawa (Bairnin Kudu)								44.1				7.1			
				ļ										6.8			
		Jigawa (Gumel)															
		Jigawa (Hadejia)												29.4			
		Kano								10.5		6.2					
		Kwara										15					
		Osun										39.3					
		Plateau										25.5					
		Plateau (Barikin-Ladi)												56.4			
		Plateau (Jos)												67.7			
		Plateau (Keffi)												45			
		Rivers (P/Harcourt)												14.9			
		Taraba (Jalingo)												60.9			
		Taraba (Wukari)												44.2			
Group	Area		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Injecting drug users	Major Urban Areas																
Injecting drug users	Outside Major Urban			 		 		 	 					 	 	 	1
,ooming along users	Areas																
Group	Area		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
STI patients	Major Urban Areas	Kano (Kano)								14.9		5					
	•	Kwara (Ilorin)		1		 		 	 			8.9		 	 	 	
		Lagos (Ikeja)										5					
		Lagos (Island)		1		 		 	 			8		 	 	 	
		Osun (Oshogbo)		-						0		2.3		3			
		Oyo (Ibadan)								0.7		2.5		,			
										0.7		0					
STI Patients	Outside Major Urban Areas	Adamawa (Mubi)										8					
	Aleas	Adamawa (Yola)										5					
		Anambra (Awka)										5		17.8			
		Anambra (Ekwulobia)										3		13.9			
		Anambra (Ogidi)										4		13			
		Anambra (Onitsha)										7		25			
		Benue (Gboko)								0		9.5					
		Benue (Ihugh)										11					
		Benue (Maiduguri)										4.4					
		Benue (Makurdi)										30		17			
		Benue (Oturkpo)								6.9							
		Borno (Maiduguri, Biu &						1.7									
		Potiskum)															
		Borno (Ngala)												5.3			
		Cross River (Calabar)										24					
		Cross River (Ikom)										9					
		Delta (Agbor)		1		1		1	1	0.5		10		1	1	1	
		Delta (Warri)		1		1	1	1	1	0.6		5.8		14	1	1	
		Edo (Auchi)		1		 		 	 	0				3	 	 	
		Edo (Benin)	-	†	+	1	1	1	1	0	1		1	1	1	1	
		Enugu (Abakalike)		1		 		 	 	4.1		9.2		 	 	 	
		Enugu (Enugu)		1	-	1		1	1	6.5	1	U.L	1	1	1	1	1
		Enugu (Enugu) Enugu (Nsukka)		-		 		 	 	0.0	-		-	32.1	 	 	<u> </u>
				 		 		 	 		-		-		 	 	
		Jigawa (Bairnin Kudu)				 		 	 					11	 	 	<u> </u>
		Jigawa (Hadejia)		ļ						22.4							<u> </u>
		Kaduna (Kaduna)								1.7							
				1						0		1.4					
		Kaduna (Kafanchan)		<u> </u>				ı —	i -				1	28.7	l	i -	
							<u></u>							20.7			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada												69.7			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma)															
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma) Kano (Rano)								10.3		3		69.7			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma) Kano (Rano) Kogi (Lokoja)								10.3				69.7			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma) Kano (Rano)								10.3		3		69.7			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma) Kano (Rano) Kogi (Lokoja)								10.3				69.7			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma) Kano (Rano) Kogi (Lokoja) Osun (Ife-Ejigbo)								10.3		2		69.7 17 1.1			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma) Kano (Rano) Kogi (Lokoja) Osun (Ife-Ejigbo) Plateau (Akwanga)								10.3		2 16.5		69.7 17 1.1 8			
		Kaduna (Kafanchan) Kaduna (Saminaka) Kaduna (Tudum-Wada Kaduma) Kano (Rano) Kogi (Lokoja) Osun (Ife-Ejigbo) Plateau (Akwanga) Plateau (Barikin-Ladi)								10.3		2 16.5 4.1		69.7 17 1.1 8			

12 continued - Nigeria

Annex: HIV Surveillance data by site

Group	Area		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
STI Patients	Outside Major Urban	Rivers (P/Harcourt)												1.1			
	Areas	Taraba (Jalingo)												6.1			
		Taraba (Zing)												11.5			
Group	Area		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Blood Donors	National																
Blood Donors	Major Urban Areas																
Blood Donors	Outside Major Urban Areas																